

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, We hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

We believe that we are the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **PROPAGATION AND DETECTION OF FAULTS IN A MULTIPLEXED COMMUNICATION SYSTEM**, the specification of which is filed herewith.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

We acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

- None -

We hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, 1 acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.: 60/124,293 Filed: March 12, 1999

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Express Mail No.
EJ455634485US
Date of Deposit: 02/11/00

We hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Lester H. Birnbaum	(Reg. No. 25830)
Richard J. Botos	(Reg. No. 32016)
Jeffery J. Brosemer	(Reg. No. 36096)
Kenneth M. Brown	(Reg. No. 37590)
Donald P. Dinella	(Reg. No. 39961)
Guy Eriksen	(Reg. No. P-41736)
Martin I. Finston	(Reg. No. 31613)
James H. Fox	(Reg. No. 29379)
William S. Francos	(Reg. No. 38456)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Mony R. Ghose	(Reg. No. 38159)
Jimmy Goo	(Reg. No. 36528)
Anthony Grillo	(Reg. No. 36535)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
John W. Hayes	(Reg. No. 33900)
Mark A. Kurisko	(Reg. No. 38944)
Irena Lager	(Reg. No. 39260)
Christopher N. Malvone	(Reg. No. 34866)
Scott W. McLellan	(Reg. No. 30776)
Martin G. Meder	(Reg. No. 34674)
Geraldine Monteleone	(Reg. No. 40097)
John C. Moran	(Reg. No. 30782)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Claude R. Narcisse	(Reg. No. 38979)
Joseph J. Opalach	(Reg. No. 36229)
Neil R. Ormos	(Reg. No. 35309)
Eugen E. Pacher	(Reg. No. 29964)
Jack R. Penrod	(Reg. No. 31864)
Daniel J. Piotrowski	(Reg. No. P-42079)
Gregory C. Ranieri	(Reg. No. 29695)
Scott J. Rittman	(Reg. No. 39010)
Eugene J. Rosenthal	(Reg. No. 36658)
Bruce S. Schneider	(Reg. No. 27949)
Ronald D. Slusky	(Reg. No. 26585)
David L. Smith	(Reg. No. 30592)
Patricia A. Verlangieri	(Reg. No. P-42201)
John P. Veschi	(Reg. No. 39058)
David Volejnicek	(Reg. No. 29355)
Charles L. Warren	(Reg. No. 27407)
Eli Weiss	(Reg. No. 17765)

We hereby appoint the attorneys listed on ATTACHMENT A as associate attorneys in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorneys and such associate attorneys are specifically denied any power of substitution or revocation.

Full name of first inventor: **Dhritiman Banerjee**

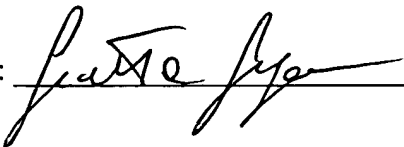
Inventor's signature: Dhritiman Banerjee Date: 02/08/, 2000

Residence: Lakewood, New Jersey

Citizenship: India

Post Office Address: Lucent Technologies, Inc.
4B-427
101 Crawfords Corner Rd.
Holmdel, New Jersey 07733-3030

Full name of second inventor: **Giorgio Giaretta**

Inventor's signature: 

Date: Feb 8~~th~~, 2000

Residence: Westfield, New Jersey

Citizenship: Italy

Post Office Address: Lucent Technologies, Inc.
4B-415
101 Crawfords Corner Rd.
Holmdel, NJ 07733-3030

Inventor's signature: Anthony Lodovico Lentreie Date: 2/8/, 2000

Residence: ~~St. Charles, Illinois~~ Holmdel NJ

Citizenship: United States

Post Office Address: Lucent Technologies, Inc.
4B-421
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

$\frac{d^2}{dt^2} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

Full name of second inventor: Ted Kirk Woodward

Inventor's signature:

Date: Feb 8, 2000

Residence: Holmdel, New Jersey

Citizenship: United States

Post Office Address: Lucent Technologies, Inc.
4B-525
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

ATTACHMENT A

Victor DeVito	(Reg. No. 36325)
James D. Jacobs	(Reg. No. 24299)
Harry Ahn	(Reg. No. 40243)
Eunhee Park	(Reg. No. 42976)
Frank M. Gasparo	(Reg. No. 44700)

Telephone calls should be made to BAKER & McKENZIE at:

Telephone No.: 212-751-5700

Fax No.: 212-759-9133

Please address all correspondence to:

BAKER & McKENZIE
805 Third Avenue
New York, N.Y. 10022